

**NEW UTILITY PATENT APPLICATION  
TRANSMITTAL**

DOCKET NO.  
RPS920010172US1 (IRA-10-5709)

TOTAL PAGES IN THIS SUBMISSION  
3

21905 U.S. PTO  
10/620472  
07/16/03

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**

**Mail Stop Patent Application**

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

Transmitted herewith for filing under 35 USC 111(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled:

**BUCKETS OF COMMANDS IN A MULTIPROCESSOR-  
BASED VERIFICATION ENVIRONMENT**

invented by

DAVID M. ATOJI  
RUCHI CHANDRA  
ROBERT B. LIKOVICH, JR.

assigned to

INTERNATIONAL BUSINESS MACHINES CORPORATION  
Armonk, New York

**If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:**

☐ Continuation

☐ Divisional

☐ Continuation -in -part (CIP)

in prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having **24** pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications (*if applicable*)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d. ☐ Reference to Microfiche Appendix (*if applicable*)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (*if drawings filed*)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure
3. ☒ Drawing(s) (*when necessary as prescribed by 35 USC 113*)
  - a. ☒ Formal
  - b. ☐ InformalNumber of Sheets **3**

**NEW UTILITY PATENT APPLICATION  
TRANSMITTAL**

DOCKET NO.  
RPS920010172US1 (IRA-10-5709)

TOTAL PAGES IN THIS SUBMISSION  
3

4. ☒ Oath or Declaration – **2 Forms** (fully executed)  
a. ☒ Newly executed (*original or copy*) ☐ Unexecuted  
b. ☐ Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)  
c. ☒ With Power of Attorney ☐ Without Power of Attorney  
Application Elements (Continued)
5. ☐ Incorporation by Reference (*usable if Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (*Appendix*)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)  
a. ☐ Paper Copy  
b. ☐ Computer Readable Copy (*identical to computer copy*)  
c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers (*cover sheet & document(s)*)  
***International Business Machines Corporation***
9. ☐ 37 CFR 3.73(B) Statement (*when there is an assignee*)
10. ☐ English Translation Document (*if applicable*)
11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard
14. ☒ Certificate of Mailing  
☐ First Class ☒ Express Mail (*Specify Label No.:* EV331726927US\_\_
15. ☒ Application Data Sheet
16. ☐ Additional Enclosures (*please identify below*):

--

**NEW UTILITY PATENT APPLICATION  
TRANSMITTAL**

DOCKET NO.  
RPS920010172US1 (IRA-10-5709)

TOTAL PAGES IN THIS SUBMISSION  
3

**FEE CALCULATION AND TRANSMITTAL**

**CLAIMS AS FILED**

1) For	2) Number Filed	3) Number Extra	Rate	Additional Fee
TOTAL CLAIMS (37 CFR 1.16(c))	19 - 20 =	- 0 -	x\$18.00	\$ - 0 -
INDEPENDENT CLAIMS (37 CFR 1.16(c))	3 - 3 =	- 0 -	x \$84.00	\$ - 0 -
First Pres. Of Multiple Dep. Claims	= 0			\$ 0.00
Basic Fee	= 0			\$ 750.00
			<b>TOTAL</b>	<b>\$ 750.00</b>

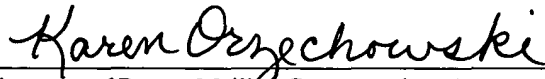
- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 09-1990  
as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$750.00 as filing fee.
- ☒ Credit any overpayment or any deficiency.
- ☒ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.

Respectfully submitted,

Date: JULY 16, 2003

By: Joscelyn G. Cockburn  
Joscelyn G. Cockburn, Reg. No. 27,069  
IBM Corporation  
Dept. 9CCA/B002  
3039 Cornwallis Road  
Research Triangle Park, NC 27709  
(919) 254-1085  
Fax: (919) 254-2649

Enclosures

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): Atoji et al			DOCKET NO. RPS920010172US1 (IRA-10-5709)
Serial No. To be Assigned	Filing Date Filed Herewith	Examiner	Group Art Unit
Invention: <b>BUCKETS OF COMMANDS IN A MULTIPROCESSOR-          BASED VERIFICATION ENVIRONMENT</b>			
<p>I hereby certify that the following documents</p> <p style="margin-left: 40px;">New Utility Patent Application Transmittal</p> <p style="margin-left: 40px;">Application Data Sheet</p> <p style="margin-left: 40px;">Patent Application comprising <b>16</b> pages of specification, <b>7</b> pages of claims,  <b>1</b> page of Abstract and <b>3</b> sheets of drawings</p> <p style="margin-left: 40px;">Two(2) Declaration and Power of Attorney for Patent Application Forms (fully          executed)</p> <p style="margin-left: 40px;">Assignment and Recordation Cover Sheet</p> <p style="margin-left: 40px;">IDS Submission Statement with 1449 Form and copies of all citations</p> <p style="margin-left: 40px;">Two (2) Acknowledgement post cards</p> <p>are being deposited with the United States Postal Service "Express Mail Post Office to          Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Patent          Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on          JULY 16, 2003_____.</p> <div style="text-align: center; margin-top: 20px;"> <u>Karen Orzechowski</u>          (Typed or Printed Name of Person Mailing Correspondence)       </div> <div style="text-align: center; margin-top: 10px;">           (Signature of Person Mailing Correspondence)       </div> <div style="text-align: center; margin-top: 20px;"> <u>EV331726927US</u>          ("Express Mail" Mailing Label Number)       </div>			